

Summer Undergraduate Research Symposium - Wednesday, July 20, Jordan Hall of Science Galleria
Poster Session 1: 9:30-10:30 a.m.

Poster #	Presenter	Project Title	Faculty Advisor / Department
1-1	Moboluwaagbe Adesanmi	Single Electron Transistors (SETs) on SiN membranes for measuring Quantum Dots	Gregory Snider, Electrical Engineering
2-1	Tomás Aguilar-Fraga	A Computational Investigation into the Representation Theory of the Mapping Class Group	Nick Salter, Mathematics
3-1	Halle Becerra	Spatial Relationship Between Deviatoric Strain and Sclerostin Expression in Mechanically Loaded Bone	Glen Niebur, AME
4-1	AnnahMarie Behn	Adiabatic Capacitive Logic for Ultra-low Power Electronics	Alexei Orlov, Gregory Snider, Electrical Engineering
5-1	Carlos Benito Murga	Devil in the Details: Facet-level Analysis Sharpens Associations Between Personality and Emotion Regulation	David Watson, Psychology
6-1	Rose Brienza Kathleen Connick	The Application of Neural Networks in Stellar Classification	Marwan Gebran, Physics
7-1	Nathan Campeau	Wireless Microimplants for Deep Tissue Disease Monitoring and Treatment	Thomas O'Sullivan, Electrical Engineering
8-1	Lesly Chávez-Valencia	A Lineage of Alienation: The Impact of Surveillance System Avoidance on Education Attainment of Children of Undocumented Immigrants in the United States	Anna Haskins, Sociology
9-1	Mary Chen	Magnetic Nanoporous Membrane for Exosomal PDL1 Capture and Characterization	Hsueh-Chia Chang, CBE
10-1	Michelle Cho	Who Chooses the Greater Good vs. Lesser Evil: Applying Regulatory Focus Theory to Diversity Advocacy	Jason Colquitt, Management and Organization
11-1	Ana Corcoran	Squeezing Light Energy into Small Volumes using Gold Nanoparticles	Svetlana Neretina, AME
12-1	Jocelyn Covarrubias	Self Views and World Views: A Conceptual and Empirical Comparison	Gerald Haefel, Psychology
13-1	Ayssia Crockem	Effects of Crosslinker Chain Chemistry and Inorganic Additives on the Properties of Poly(propylene carbonate)-based Electrolytes for Solid-state Lithium Batteries	Jennifer Schaefer, CBE
14-1	Gabriel Cruz-Ruiz	Indocyanine Green (ICG) and Its Analogs for Biological Imaging	Bradley Smith, Chemistry and Biochemistry
15-1	Brianna Dewey	Ultrafast Laser Processing for Surface Texturing	Ed Kinzel, AME
16-1	Gavin Ealey	Charge Transfer Processes with AgInS ₂ Loaded in Nafion Film	Prashant Kamat, Chemistry and Biochemistry
17-1	Zuánichi Figueroa	Enhancement of Gas Sensing Performance Based on Controlled Synthesis of Heterojunctions and Addition of Noble Metal Dopants in Tungsten Trioxide Nanofibers	Nosang Myung, CBE
18-1	Belen Flores	Glucose Responsive Glucagon Prodrug for Hypoglycemia Rescue	Matthew Webber, CBE
19-1	Lex Gilman	Secondary Metabolites in Mushrooms at Saint Mary's Campus	Cassie Majetic, Environmental Studies and Biology
20-1	Mateo Gutierrez	Synthesis of Ultrathin Films of Single-Crystal Gold on Glass Substrates	Robert Hughes, AME
21-1	Madalyn Hernandez	After ACEs: The Role of Social Support in the Context of Resilience	Laura Miller-Graff, Psychology and Peace Studies
22-1	Aaron Jalca	Are Drugs to Blame? The Effect of the Drug Crisis on Male Labor Force Participation	William Evans, Economics
23-1	Aaviskar Khatiwada	Computational Calculation of Infrared Spectra using Density-Functional Theory for the Characterization of Polyoxometalate Derivatives	William Schneider, Jason Hicks, CBE
24-1	Erika Ruiz	Experimental Measurement of Infrared Spectra for the Characterization of Polyoxometalate Derivatives	William Schneider, Jason Hicks, CBE
25-1	Jeff Secrist	Understanding Methane Conversion in DBD Plasma Using Electrical Characterization and Optical Emission Spectroscopy	David Go, AME
26-1	Ben Speybroeck	Synthesis of Poly (1,3,4-Oxadiazole-Imide) Membrane for Gas Separation	Ruilan Guo, CBE